

Table 5. Two-year average (2022-2023) of agronomic and shelling characteristics for entries in the Oklahoma Peanut Variety Trial. Location: Caddo Research Station in Fort Cobb.⁵

| | Yield | % of Trial | Grade ² | SMK/100 ³ | ELK ⁴ | MED ⁴ | No.1 ⁴ | Shelling | Value ⁵ |
|---|-------------|------------|--------------------|----------------------|------------------|------------------|-------------------|------------|--------------------|
| Entry | (lb/A) | Average | (%TSMK) | (g) | % | | | | (\$/A) |
| Runner¹ | | | | | | | | | |
| ACI 080 | 5443a | 110 | 70b | 61c | 24d | 39a | 15b | 71c | 1,286 |
| ACI 476 | 5180ab | 105 | 71b | 60c | 35c | 33b | 19ab | 72bc | 1,241 |
| ACI 3321 | 5025ab | 101 | 71b | 67b | 34c | 29cd | 22a | 73ab | 1,204 |
| Lariat | 4666c | 94 | 72a | 74a | 38bc | 29cd | 22a | 74a | 1,134 |
| ARSOK R95-1 | 4490c | 91 | 70b | 68b | 49a | 31bc | 20ab | 73ab | 1,061 |
| ARSOK R106-9L | 4797b | 97 | 71b | 68b | 42b | 25e | 17ab | 74a | 1,149 |
| ARSOK R109-1L | 5063ab | 102 | 71b | 69b | 37c | 28d | 19ab | 73ab | 1,213 |
| Mean | 4952 | | 71 | 67 | 37 | 31 | 19 | 73 | |
| Standard Error | 433 | | 1.5 | 3 | 4 | 2.1 | 6.2 | 1.4 | |
| Spanish*** Valencia** Small Seeded Runner*^{1,7} | | | | | | | | | |
| AT9899 (S)* | 4838ab | 107 | 59d | 52d | 43b | 17ab | 16b | 61c | 999 |
| OLé*** | 4638bc | 103 | 66bc | 54c | 65a | 11c | 22ab | 68b | 1,071 |
| Schubert*** | 4237d | 94 | 64c | 48f | 45b | 20a | 15b | 67b | 949 |
| Span17 (S)* | 5164a | 115 | 72a | 55bc | 62a | 16b | 22ab | 73a | 1,301 |
| ARSOK S104-2E*** | 4427cd | 98 | 67b | 52d | 65a | 13bc | 23b | 68b | 1,038 |
| ARSOK S104-3E*** | 4294d | 95 | 67b | 50e | 60a | 15b | 21ab | 68b | 1,007 |
| ARSOK S105-3E*** | 4218d | 94 | 65bc | 53cd | 63a | 11c | 24a | 67b | 960 |
| ARSOK S105-4E*** | 4248d | 94 | 67b | 57a | 66a | 11c | 24a | 68b | 996 |
| Mean | 4508 | | 66 | 53 | 59 | 14 | 21 | 68 | |
| Standard Error | 328 | | 2.1 | 1.3 | 5 | 3 | 8 | 2.2 | |
| Virginia¹ | | | | | | | | | |
| Comrade | 4990a | 112 | 70a | 103a | 46a | 13c | 27 | 71a | 1,223 |
| ARSOK V98 | 3978c | 89 | 66b | 91b | 39d | 14c | 22 | 69b | 980 |
| ARSOK V99 | 4409bc | 99 | 69a | 82c | 44b | 16b | 27 | 71a | 955 |
| ARSOK V103-1 | 4517bc | 101 | 62c | 93b | 42c | 19a | 24 | 67c | 919 |
| ARSOK V103-3 | 4474bc | 100 | 61c | 92b | 40d | 18a | 22 | 66d | 1,065 |
| Mean | 4474 | | 66 | 92 | 42 | 16 | 24 | 69 | |
| Standard Error | 602 | | 1.5 | 2.9 | 1.8 | 1.7 | 9.7 (ns) | 0.5 | |

¹ Market Type.

² % TSMK = Percent total sound mature kernels.

³ SMK/100 = Weight of 100 sound mature kernels.

⁴ ELK = % Kernels riding a 21.5/64" X 1" slotted screen for Virginia and 21/64" X 3/4" screen for runner and Spanish; MED = % Kernels riding a 18/64" but falling through a 21.5/64" or 21/64" screen; No.1 = % Kernels riding a minimum grade screen (16/64" for runner and Spanish, and 15/64 for Virginia) but falling through a 18/64"

⁵ Calculated based on peanut market-type contract price per ton 2023 (\$675, runners; \$700, Spanish and Virginia; \$950, Valencia). ELK bonus not added for Virginias.

⁶ Values within the same column followed by the same letter are not significantly different at P = .05. ns = no significant differences.

⁷ Small seeded runners marketed as Spanish (S) or Valencia (V)